| Inde | ex of | Clair | ms |
|------|-------|-------|----|
|      |       |       |    |

Application No. 09/862,973

Applicant(s) WESTERBEKE, JOHN H.

Art Unit

Jason Benton

Examiner

3747

Rejected Allowed

(Through numeral) Cancelled ÷ Restricted

Non-Elected Ν Interference

Appeal Α 0 Objected

| Cla          | im       | Date     |              |              |          |              |            | ı            | Claim             |                |   | Date           |          |  |              |                |              |          |          |
|--------------|----------|----------|--------------|--------------|----------|--------------|------------|--------------|-------------------|----------------|---|----------------|----------|--|--------------|----------------|--------------|----------|----------|
| Ula          |          | $\vdash$ |              |              | <u>_</u> | Jak          | ÍΠ         | Γ-           |                   | $\vdash$       |   |                |          |  | П            |                | ٦            | Ī        | _        |
| <del> </del> | Original | 11/29/04 |              |              |          |              |            |              | ļ                 |                |   | ਲ              | Original |  | -            |                |              |          |          |
| Final        |          | /29      |              |              |          |              |            |              |                   |                |   | Final          | j.       |  | - 1          |                |              | l        |          |
| "            | Ō        | 1        |              |              |          | l            |            |              |                   |                |   |                | 0        |  |              |                |              |          |          |
| <b> </b>     | 1        | √        |              |              |          | $\vdash$     |            |              |                   |                |   |                | 51       | _  |              |                |              |          |          |
|              | 2        | V        |              |              |          |              | $\vdash$   |              |                   | П              |   |                | 52       |  |              |                |              |          |          |
|              | 3        | V        |              |              |          |              |            |              |                   |                |   |                | 53       |  |              |                |              |          |          |
|              | 4        | V        |              |              |          |              |            |              |                   |                |   |                | 54       |  |              |                |              |          | L        |
|              | 5        | V        |              |              |          |              |            |              |                   |                |   |                | 55       |  |              |                |              |          | L        |
|              | 6        |          |              |              |          |              |            |              | L                 |                |   |                | 56       |  | _            | _              |              | Ш        | _        |
|              | 7        |          |              |              |          |              |            |              | L.                |                |   |                | 57       |  | _            | _              | _            | Щ        |          |
|              | 8        | <b>∠</b> |              |              |          |              |            | <u></u>      | ļ                 |                |   |                | 58       |  | _            | _              | _            | Ш        | <u> </u> |
|              | 9        | V        |              |              |          |              | L          | <u>.</u>     |                   |                |   |                | 59       |  |              |                |              |          |          |
|              | 10       | √        |              |              | L.       |              | Ŀ          | Ļ.           |                   |                |   |                | 60       | Ш  |              |                |              | Ш        | L        |
|              | 11       |          |              |              |          |              | <u> </u>   | $oxed{oxed}$ | <u> </u>          |                | Ė |                | 61       |  | _            |                | _            |          | 1        |
|              | 12       | √        | _            | Ĺ            | L        |              |            |              | <u> </u>          | <u> </u>       |   | <u> </u>       | 62       |  |              |                |              |          | L        |
|              | 13       | ✓        | L            | L_           | L.       | <u> </u>     |            | <u> </u>     | _                 | _              |   |                | 63       |  | _            |                |              | _        | Ļ        |
|              | 14       | √        |              |              | <u>L</u> |              |            | <u> </u>     | Ļ                 | _              |   | <u> </u>       | 64       |  | _            |                |              | Ш        | -        |
|              | 15       | √        |              |              | <u> </u> | Ļ            | lacksquare | ļ            | ┞-                | _              |   |                | 65       |  | _            | $\blacksquare$ |              | $\vdash$ | ┞        |
|              | 16       | √        |              |              |          | <b> </b>     | <u> </u>   | ـــــ        | -                 | <u> </u>       |   |                | 66       |  |              |                |              | ⊢-       | ┡        |
|              | 17       | √        |              | <u>L</u> .   | <u> </u> | <del> </del> | <u> </u>   | ┺            | <u> </u>          | L.             | , | -              | 67       |  |              |                |              | -        | H        |
|              | 18       | V        | L            |              | L        | ┡            | ļ          | ╙            | <del> </del> _    |                | ļ |                | 68       | H  |              |                |              | ├-       | ├-       |
|              | 19       | √        | L            | <u> </u>     | ļ.,      | ┡            | ╙          | <u> </u>     | <u> </u>          | -              | ł |                | 69       |  |              |                |              | ⊢        | ┼-       |
|              | 20       | √        | ╙            |              | Ļ.       | ▙            | <u> </u>   | ↓_           |                   | <del> </del> - | 1 | <u> </u>       | 70       |  |              | _              |              | -        | ⊢        |
| -            | 21       | <u> </u> | L            |              | ļ        | ऻ_           | _          | -            | $\vdash$          | ╀              | - | <del>  -</del> | 71       | _  |              | -              | -            | -        | ╀        |
|              | 22       | <u> </u> | L            | <u> </u>     | <u> </u> | ╄            | _          | ╁            | $\vdash$          | _              | ' | <u> </u>       | 72       |  |              |                |              | ⊢        | ╁        |
|              | 23       |          | <u> </u>     | Ľ.           | _        | 1            | -          | ╁            | <del> </del> —    | ├              | ł | <u> </u>       | 73       | _  | _            | -              |              | ┼        | ╀        |
| <u> </u>     | 24       | ⊢        |              | ┡            | ↓        | <b>↓</b> —   |            | $\vdash$     | ┼                 | ┾              | - | -              | 74<br>75 |  |              | -              | -            | ┼─       | ╁        |
|              | 25       | ⊢        | <u> </u>     | <u> </u>     | 1        | ┼            | ┼          | ╀            | $\vdash$          | -              | - |                | 76       | H  |              |                | _            | ┼─       | ╁        |
| <u> </u>     | 26       | ┢        | <b> </b>     | ┢            | ┼─       | -            | ╀          | ╁            | <b>-</b>          | $\vdash$       | - |                | 77       | -  |              | H              |              | +-       | ╁        |
|              | 27       | ⊬        |              | -            | ╁        | +-           | ╁          | ╁            | +                 | ┾              | ┨ | -              | 78       | -  |              | $\vdash$       |              | ╁        | +        |
|              | 28       | ⊢        | ├            | ┢            | $\vdash$ | +-           | ⊢          | ╁            | ╂-                | ╁┈             | ┨ |                | 79       | <del> </del> —                                   |              | ┢              |              | ╁        | ╁        |
| -            | 29<br>30 | ┼-       | $\vdash$     | ┼            | ╁        | ╀            | ┼          | +-           | ╁                 | +              | ┨ | <u> </u>       | 80       | $\vdash$   | <del> </del> | ┢              |              | t        | t        |
| -            | 31       | $\vdash$ | ╁            | ┢┈           | ╂        | 1            | +          | ╁            | ╫                 | ╁              | 1 | <u> </u>       | 81       | -  | -            |                | <del> </del> | +-       | t        |
|              | 32       | ╆        | $\vdash$     |              | ╁        | ╁            | +          | +            | ╁╌                | +              | 1 | -              | 82       | <del>                                     </del> |              |                |              | †-       | T        |
|              | 33       | $\vdash$ | -            | $\vdash$     | +-       | ╁            | ╁          | +-           | +                 | +              | 1 | H              | 83       |  | $\vdash$     | t              | -            | $\vdash$ | T        |
|              | 34       | +        | ╁            | ļ            | +        | ╁            | 十          | ╁            | †-                | $\vdash$       | 1 |                | 84       | ··-  |              |                |              | T        | T        |
|              | 35       | ╆        | ╁            | ╁┈           | +        | 1-           | t          | +            | 十                 | t              | 1 |                | 85       | †"   |              | ┌              |              |          | T        |
|              | 36       | +        | -            | ╁┈           | +        | +            | T          | +            | +-                | $\vdash$       | 1 |                | 86       | t  | _            |                | _            |          | T        |
|              | 37       | $\vdash$ | <del> </del> | $\vdash$     | ╁        | +-           | 1          | †            | 十                 | ╁              | 1 |                | 87       |  |              | 厂              |              | T        | T        |
| <u> </u>     | 38       | -        | $\vdash$     | $\vdash$     | +        | t            | +          | t            | $\top$            | <del> </del>   | 1 | -              | 88       | Т  |              | T              |              | Т        | T        |
|              | 39       | 1        | $\vdash$     | $\dagger$    | +        | +            | $\dagger$  | +            | 1                 | 1              | 1 |                | 89       | $\vdash$   | Г            |                |              |          | T        |
| _            | 40       | +        | $\vdash$     | $^{\dagger}$ | ╁┈       | 十            | $\top$     | +            | $\top$            | $\top$         | 1 |                | 90       | $\vdash$   | Г            |                |              | T        | Τ        |
|              | 41       | +        | $\vdash$     | †-           | ╁        | T            | <b>-</b>   | 1            |                   |                | 1 |                | 91       | Г  |              |                |              |          | Τ        |
| <b>—</b>     | 42       | $\top$   |              | 1            | †        | T            | 十          | T            | 1                 |                | 1 |                | 92       | Г  |              | Γ              | Ι.           | Τ.       | Ι        |
|              | 43       | $\top$   | 1            | T            | T        | 1            | T          | T            | T                 | $\top$         | 1 |                | 93       |  |              |                |              |          | L        |
|              | 44       | †        | T            | †            | T        | 1            | T          | T            | 1                 | 1              | 1 |                | 94       |  |              |                |              |          |          |
|              | 45       | 1        | †            |              | 1        | 1-           | T          | T            | Τ                 | $\top$         | 1 |                | 95       |  |              |                |              | $\perp$  | Ĺ        |
|              | 46       |          | $\top$       | 1            | T        | T            | 1          |              |                   | T              | ] |                | 96       |  |              | Ĺ              |              | L        | Ţ        |
|              | 47       | 1        |              | T            | 1        | 1            | Τ          |              | L                 |                |   |                | 97       |  |              |                |              | L        | 1        |
|              | 48       | T        | 1            | T            | 1        |              |            | $\perp$      |                   |                | ] |                | 98       |  |              | $oxed{\Box}$   | L            | 1        | 1        |
|              | 49       |          | T            | 1            |          | Т            | Т          | Ι            | $\prod_{i=1}^{n}$ |                | ] |                | 99       |  |              |                | L            | $\perp$  | 1        |
|              | 50       |          | T            |              | Ι        | Π            | $\prod$    | $\perp$      |                   |                | ] |                | 100      | ا  | L.           | 1_             | <u> </u>     | 丄        |          |
| L            |          |          |              |              | _        |              |            |              |                   |                | _ |                |          |  |              |                |              |          |          |

| Cla      | im_      |          |          |            |                | Date           | ;            |              |                 |  |
|----------|----------|----------|----------|------------|----------------|----------------|--------------|--------------|-----------------|--|
|          | $\neg$   | $\neg$   |          |            |                |                | $\neg$       | Ī            | T               |  |
| Final    | Original |          |          |            |                |                |              |              | Ì               |  |
|          | - 1      | $\dashv$ |          |            |                |                | -            |              | $\dashv$        | $\dashv$   |
| $\vdash$ | 51<br>52 | -+       | -        |            |                |                | $\dashv$     | $\dashv$     | -+              | $\dashv$   |
| $\vdash$ | 52       |          | _        |            | <u></u>        | <u> </u>       | -            |              |                 | _  |
| L        | 53       | _        |          |            |                |                | _            | $\dashv$     |                 | _  |
|          | 54<br>55 | _        |          |            |                |                |              |              |                 |  |
|          | 55       |          |          |            |                |                |              |              |                 |  |
|          | 56       |          |          |            | l              |                |              |              |                 |  |
|          | 57       |          |          |            |                |                |              |              |                 |  |
|          | 58       |          |          |            |                |                |              |              |                 |  |
|          | 59       |          |          |            |                |                |              |              |                 |  |
|          | 60       | 寸        |          |            |                | 1-             |              |              |                 |  |
|          | 61       | 一        |          |            |                | _              | _            |              |                 |  |
| $\vdash$ | 62       | $\dashv$ | _        |            | $\vdash$       | <u> </u>       |              |              |                 |  |
| -        | 63       | $\dashv$ |          | -          | $\vdash$       | -              |              | $\vdash$     |                 |  |
| $\vdash$ | 64       | $\dashv$ | _        | <u> </u>   | $\vdash$       | <del> </del>   |              | $\vdash$     | $\vdash$        |  |
| $\vdash$ | 64       |          | _        |            | $\vdash$       | $\vdash$       |              | H            | $\vdash$        |  |
| $\vdash$ | 65       |          |          | $\vdash$   |                | -              | ├—           | <u> </u>     | $\vdash \vdash$ |  |
|          | 66       | -        |          | _          | l —            | ┝              | <u> </u>     | H            |                 |  |
|          | 67       |          |          | Ļ          | ļ              | ├-             | -            |              |                 |  |
|          | 68       | _        |          | <u> </u>   | <u> </u>       | ļ_             |              | <u> </u>     | -               |  |
|          | 69       | _        |          |            | L              | <u> </u>       |              | <u> </u>     |                 |  |
|          | 70       | _        |          |            |                |                |              |              |                 |  |
|          | 71       |          |          | L_         |                | L              |              | L            |                 |  |
|          | 72       |          |          |            |                |                |              | <u> </u>     |                 |  |
|          | 72<br>73 |          |          |            | T              |                |              |              |                 |  |
|          | 74<br>75 | T        |          |            |                |                |              | Г            |                 |  |
|          | 75       |          |          | Г          |                |                |              |              |                 |  |
|          | l 76 l   |          | -        |            |                | T              |              |              |                 |  |
| <b> </b> | 77<br>78 |          |          | Г          |                | T              |              |              |                 |  |
| 1        | 78       |          |          |            |                | T              |              | Г            |                 |  |
|          | 79       | $\neg$   |          | $\vdash$   | T              | †              | 1            | Г            |                 |  |
|          | 80       |          | _        | ┢          | +              | t              | <u> </u>     | 1-           |                 |  |
|          | 81       |          |          | $\vdash$   | ╁╴             | †              | ┢╌           | $\vdash$     | 1-              |  |
| -        | 82       | $\vdash$ |          | $\vdash$   | +              | $^{\dagger -}$ | -            | <b>-</b>     | $\vdash$        | <del>                                     </del> |
| -        | 82<br>83 | -        |          | +-         | -              | +              | $\vdash$     | $\vdash$     | $\vdash$        | H  |
|          | 0.3      |          | _        | $\vdash$   | +              | +              | +-           | ├            | $\vdash$        | -  |
|          | 84<br>85 |          |          | $\vdash$   | +-             | +              | ┼            | $\vdash$     | <del> </del>    | -  |
|          | 00       |          |          | $\vdash$   | +              | +-             | +-           | <del> </del> | $\vdash$        | <u> </u>   |
| <u> </u> | 86       |          | <u>_</u> | ⊢          | <del> </del> − | +              | -            | 1-           | $\vdash$        | _  |
|          | 87       | $\vdash$ | <u> </u> | <b>↓</b> _ | 1-             |                |              | +            | ├               | <u> </u>   |
|          | 88       | Щ        |          | ـــــ      | ╁              | <del> </del> - | <del> </del> | <u> </u>     | <u> </u>        | ļ  |
|          | 89       |          | <u>_</u> | Ļ          | 1              | $\perp$        | <u> </u>     | ļ.,          | <u> </u>        | <u> </u>   |
|          | 90       |          | <u> </u> | 1          | $\perp$        | 丨              | 1            | -            | $\vdash$        | <u> </u> _                                       |
| L_       | 91       | L        |          | 1_         | 1_             | 1              | 1_           | ــــ         | <b>!</b> _      | L  |
|          | 92       |          |          | L          | 1              | <u>L</u>       | $\perp$      | <u>_</u>     | <u> </u>        | _  |
|          | 93       |          |          | _          | 1_             | $\perp$        | 1_           | _            | L_              | L  |
|          | 94       |          |          |            |                | _              |              | _            | L               | $oxed{oxed}$                                     |
|          | 95       |          |          |            | L              | L              | L            |              |                 |  |
|          | 96       |          |          |            |                | $\Gamma$       |              | $\prod$      | $\Box$          |  |
|          | 97       | Γ        |          | Γ          | T              | Г              | Γ            |              |                 |  |
|          | 98       |          | Γ        | 1          | 1              |                |              |              | T               |  |
|          | 99       |          |          | $\top$     | T              | T-             | 1            |              | 1               | Г  |
| $\vdash$ | 100      | -        | $\vdash$ | +          | $\top$         | 十              | t            | T            | 1               |  |

| Cla   | aim        | Date         |            |              |  |  |              |                |              |              |  |  |
|-------|------------|--------------|------------|--------------|--|--|--------------|----------------|--------------|--------------|--|--|
| Final | Original   |              |            |              |  |  |              |                |              |              |  |  |
|       | 101        |              |            |              |  |  |              |                |              | 一            |  |  |
|       | 102        |              | _          |              |  |  |              |                |              | $\neg$       |  |  |
|       | 103        |              |            |              |  |  |              |                |              |              |  |  |
|       | 104        |              |            |              |  |  |              |                |              |              |  |  |
|       | 105        |              |            |              |  |  |              |                |              |              |  |  |
|       | 106        |              |            | L_           |  |  |              |                |              |              |  |  |
|       | 107        |              |            | _            | <u>L.</u>                              | L  |              | L              |              | _            |  |  |
|       | 108        |              |            | L            | L.                                     |  |              | <u> </u>       | _            |              |  |  |
|       | 109        |              | _          | <u> </u>     | <u> </u>                               | _  | <u> </u>     |                |              |              |  |  |
|       | 110        | L            | ļ          |              | L                                      |  | <u> </u>     | <u> </u>       | _            |              |  |  |
|       | 111        |              | Ļ          | <u> </u>     | ┡                                      |  | <u> </u>     | _              |              | -            |  |  |
|       | 112        | <u> </u>     | <u> </u>   | _            | <u> </u>                               |  | ⊢-           | <u> </u>       |              | $\vdash$     |  |  |
|       | 113        | $\vdash$     |            | -            | -                                      |  | ⊢            | $\vdash$       | <del> </del> |              |  |  |
|       | 114<br>115 | $\vdash$     | -          | $\vdash$     | $\vdash$                               |  | $\vdash$     | -              | -            | _            |  |  |
|       | 116        | ⊢            |            | ├            | $\vdash$                               | <del>                                     </del> |              | -              | <del> </del> |              |  |  |
|       | 117        |              | $\vdash$   | ╁            | ├                                      | ┢  | ł            | -              |              |              |  |  |
|       | 118        | ├            | $\vdash$   | ╁─           | -                                      |  | -            | ├-             | $\vdash$     |              |  |  |
|       | 119        | <del> </del> | -          | $\vdash$     | +-                                     | $\vdash$   | $\vdash$     | ┢              | ┢            | $\vdash$     |  |  |
|       | 120        |              | ╁          | <b>-</b>     | t                                      | ╁  | $\vdash$     | $\vdash$       | -            |              |  |  |
|       | 121        | $\vdash$     | t          | <u> </u>     | t                                      | 1-   | $\vdash$     |                |              |              |  |  |
|       | 122        |              | T          | T            |  | T  | T            |                |              |              |  |  |
|       | 122<br>123 | T            |            | T            |  |  |              |                | Г            |              |  |  |
|       | 124        |              | <u> </u>   |              | T                                      | Γ  | Г            |                |              |              |  |  |
|       | 125        |              |            |              |  |  |              |                |              |              |  |  |
|       | 126        |              |            |              |  |  |              | _              |              | L.           |  |  |
|       | 127<br>128 |              |            |              | _                                      | L  | $oxed{oxed}$ |                | _            | Ь.           |  |  |
|       | 128        | ļ            | <u>L</u> . | $oxed{oxed}$ | <u> </u>                               | $oxed{oxed}$                                     | ↓_           | <u> </u>       | <u> </u>     | L            |  |  |
|       | 129        | _            | _          | L            | ــــــــــــــــــــــــــــــــــــــ | ┞-   | ╄            | _              | _            | <u> </u>     |  |  |
|       | 130        | <u> </u>     | 1          | ļ            | $\perp$                                | ╄  | ↓_           | ļ.,            | ├            |              |  |  |
|       | 131        | ↓            | ┞          | ₩            | ╄-                                     | ┼  | ļ.,          | <del> </del> − | -            | ├-           |  |  |
|       | 132<br>133 | -            |            | 1            | <del> </del> —                         | <del> </del>                                     | ╄            | ⊬              | <del> </del> | $\vdash$     |  |  |
|       | 133        | -            | 1          | ┼—           | $\vdash$                               | ╀  | +-           | -              |              | <del> </del> |  |  |
|       | 134<br>135 | ┼            | ╁          | ╁            | ╁                                      | ⊢  | +-           | $\vdash$       | +            | ├            |  |  |
|       | 136        | ┼            | 1          | ╁            | <del> </del>                           | ╁  | ╁            | $\vdash$       | 1-           | ┝╌           |  |  |
|       | 137        | -            | ╁          | ╁            | +                                      | +  | ╁╌           | ╁              | $\vdash$     | $\vdash$     |  |  |
|       | 138        | -            | ╁          | +            | +                                      | ╁╴   | +            | +              | $\dagger$    | H            |  |  |
|       | 139        | -            | $\vdash$   | <del> </del> | 十                                      | $\top$   | T            | t              | 1            | <b>†</b>     |  |  |
|       | 140        | $\vdash$     | +          | t            | †                                      | T  | $\dagger$    | T              | †            |              |  |  |
|       | 141        |              |            | T            | Ţ                                      | T  | T            | 1              |              |              |  |  |
| _     | 142        | 1            |            | T            | $\top$                                 |  |              | T              |              |              |  |  |
|       | 143        | Γ            | Ι          | l            | I                                      | $\perp$  |              |                |              |              |  |  |
|       | 144        |              |            | $oxed{\Box}$ | Γ                                      | $\prod$  | Γ            | Γ              |              |              |  |  |
|       | 145        |              |            |              |  |  |              |                |              |              |  |  |
|       | 146        |              |            |              | $\Box$                                 |  |              |                |              |              |  |  |
|       | 147        |              |            | _            |  |  | L            | 1              |              | <u> </u>     |  |  |
|       | 148        | <u> </u>     | $\perp$    | $\perp$      | 1                                      | 4  | $\perp$      | $\perp$        | ↓            | _            |  |  |
|       | 149        | 1            | $\perp$    | 1            | +                                      | 1  | ╄            | 1              | $\perp$      | $\vdash$     |  |  |
| L     | 150        | <u>L</u> .   |            |              | 1                                      |  |              |                | _            | 丄            |  |  |
|       |            |              |            |              |  |  |              |                |              |              |  |  |